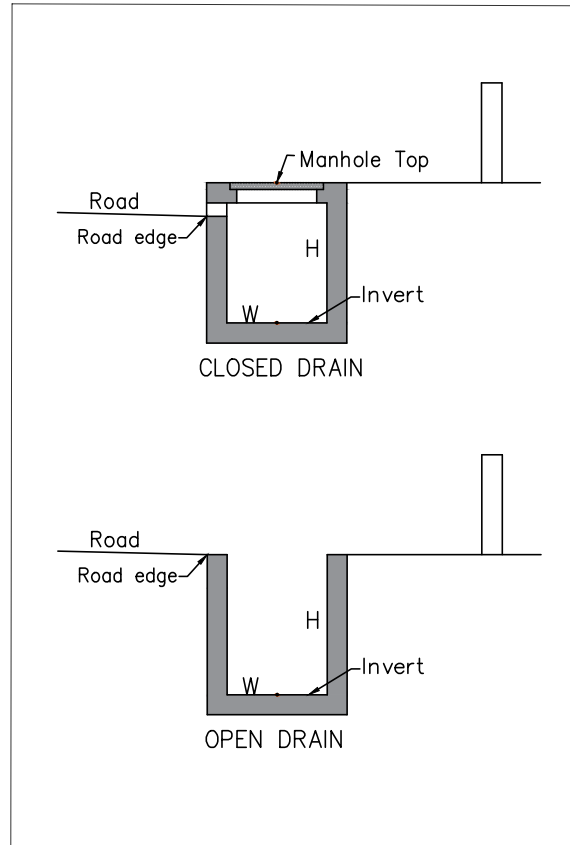


LIST OF POINTS							
SI No.	MANHOLE ID	DRAIN Closed(C)/Open(O)	MSL LEVEL			DRAIN DIMENSIONS	
			Drain Top(m)	Invert (m)	Road Edge (m)	Width (m)	Depth (m)
1	A1	C	5.417	5.216	5.216	0.601	0.086
2	A2	C	5.433	—	5.312	—	—
3	A3	C	5.759	5.358	5.562	1.201	0.251
4	A4	C	5.531	4.380	5.416	1.001	0.900
5	A5	C	5.395	3.994	5.178	0.701	0.900
6	A6	C	5.217	—	5.174	—	—
7	A7	C	5.036	3.935	4.898	1.001	0.900
8	A8	C	5.131	—	4.895	—	—
9	A9	C	5.407	—	5.287	—	—
10	A10	C	5.370	—	5.214	—	—
11	A11	C	5.293	—	5.033	—	—
12	A12	C	4.703	3.602	4.686	0.901	0.900
13	A13	C	5.080	—	4.820	—	—
14	A14	C	5.246	4.445	5.118	1.001	0.350
15	A15	C	4.822	3.721	4.577	0.601	0.850
16	A16	C	4.674	—	4.605	—	—
17	A17	C	4.896	3.795	4.653	0.701	0.796
18	A18	C	5.255	4.654	5.185	0.601	0.400
19	A19	C	5.179	4.178	4.997	0.701	0.700
20	A20	C	5.101	4.100	5.002	0.701	0.700
21	A21	C	5.192	4.291	4.982	0.601	0.450
22	A22	C	5.232	—	5.057	—	—
23	A23	C	5.252	3.451	4.999	0.701	0.800
24	A24	C	5.184	3.681	4.866	0.701	0.902
25	A25	C	5.171	—	4.928	—	—
26	B1	C	4.972	4.421	4.763	0.951	0.350
27	B2	C	5.138	—	4.927	—	—
28	B3	C	5.402	—	5.220	—	—
29	B4	C	5.329	—	5.167	—	—
30	B5	C	5.065	—	4.773	—	—
31	B6	C	5.052	—	4.855	—	—
32	B7	C	5.266	4.065	4.983	0.901	0.900
33	B8	C	5.249	3.748	5.093	0.901	1.200
34	B9	C	5.302	4.101	5.090	1.001	1.000
35	B10	C	5.314	—	5.260	—	—
36	B11	C	5.310	4.309	5.026	0.550	0.500
37	B12	C	5.215	4.214	4.986	1.001	0.850
38	B13	C	5.000	4.149	4.746	1.001	0.700
39	B14	C	5.163	4.162	4.903	1.090	0.850
40	B15	C	5.344	4.143	5.076	0.801	1.050
41	B16	C	5.366	4.165	5.087	0.801	1.000
42	B17	C	5.232	4.231	4.989	0.801	0.550
43	B18	C	5.230	—	5.261	—	—
44	B19	C	5.719	—	5.344	—	—
45	B20	C	5.502	4.401	5.298	0.701	0.600
46	B21	C	5.376	4.366	5.136	1.001	0.409
47	B22	C	5.509	—	5.353	—	—
48	B23	C	4.983	3.382	4.843	0.901	1.250
49	B24	C	4.902	3.601	4.774	0.701	0.700
50	B25	C	4.878	3.977	4.718	0.701	0.400
51	B26	C	4.882	—	4.848	—	—
52	B27	C	5.193	—	5.117	—	—
53	B28	C	5.290	—	4.965	—	—
54	B29	C	5.333	3.832	4.954	1.001	0.900
55	B30	C	5.526	—	5.360	—	—
56	B31	C	5.978	—	5.806	—	—
57	B32	C	5.844	4.643	5.789	1.101	1.051
58	B33	C	5.602	4.701	5.576	1.001	0.511
59	B34	C	5.872	—	5.534	—	—
60	B35	C	5.811	5.160	5.629	0.901	0.450
61	B36	C	5.799	4.498	5.673	1.001	0.900
62	B37	C	5.658	4.257	5.526	1.000	1.200
63	B38	C	5.767	4.766	5.584	0.601	0.400
64	B39	C	5.838	4.579	5.718	0.601	0.658
65	B40	C	5.778	4.877	5.452	1.001	0.500
66	B41	C	5.644	—	5.620	—	—
67	B42	C	5.963	4.862	5.785	0.701	0.901
68	B43	C	6.011	5.510	5.861	0.701	0.300
69	B44	C	5.835	4.684	5.636	1.000	0.450
70	B45	C	5.907	4.756	5.632	1.001	0.951
71	B46	C	5.606	—	5.658	—	—
72	B47	C	5.370	4.919	5.325	1.001	0.251
73	B48	C	5.726	—	5.637	—	—
74	B49	C	4.817	—	4.788	—	—
75	B50	C	4.937	3.786	4.850	0.701	0.800
76	C1	C	5.186	3.185	4.943	1.501	0.900
77	C2	C	5.060	—	4.937	—	—
78	C3	C	4.746	—	4.567	—	—
79	C4	C	4.774	4.073	4.531	0.901	0.450
80	C5	C	4.570	3.469	4.447	1.001	0.850
81	C6	C	4.693	3.392	4.462	1.001	1.100
82	C7	C	4.695	3.694	4.461	1.001	0.850
83	C8	C	5.006	4.605	4.830	0.701	0.250
84	C9	C	5.473	4.222	5.345	0.701	1.100
85	C10	C	5.738	—	5.552	—	—
86	C11	C	6.237	5.386	5.913	0.901	0.651
87	C12	C	5.760	—	5.682	—	—
88	C13	C	4.929	3.728	4.675	1.001	1.000
89	C14	C	5.054	3.753	4.886	1.001	1.100
90	C15	C	4.960	3.459	4.942	1.001	1.200
91	C16	C	5.543	—	5.357	—	—
92	C17	C	6.059	5.658	5.971	0.901	0.200
93	C18	C	5.748	—	5.680	—	—
94	C19	C	5.923	5.472	5.740	0.801	0.250
95	C20	C	6.215	5.364	5.951	0.701	0.650
96	C21	C	6.004	—	5.970	—	—
97	C22	C	6.106	4.955	5.903	0.701	0.950
98	C23	C	6.160	—	5.944	—	—
99	C24	C	6.015	4.764	5.941	0.901	0.850
100	C25	C	6.633	5.832	6.451	1.001	0.600
101	C26	C	6.758	—	6.604	—	—
102	C27	C	6.964	—	6.860	—	—
103	C28	C	6.983	—	6.701	—	—
104	C29	C	6.993	5.992	6.752	1.090	0.800
105	D1	C	6.065	4.314	5.840	1.101	0.550

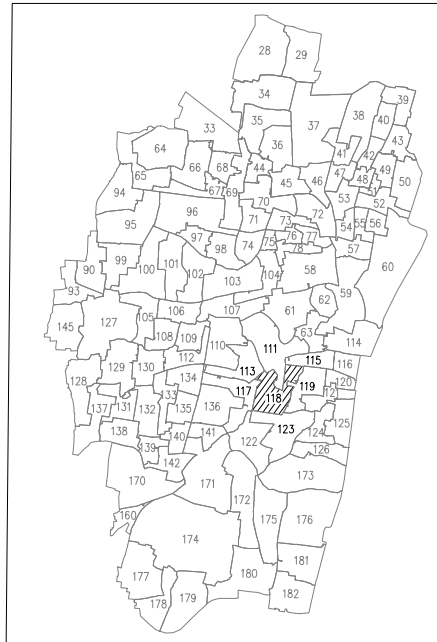
LEGEND

- Drain Outlet
- Drain With Reverse Gradient
- : Manhole's Inside not Accessible

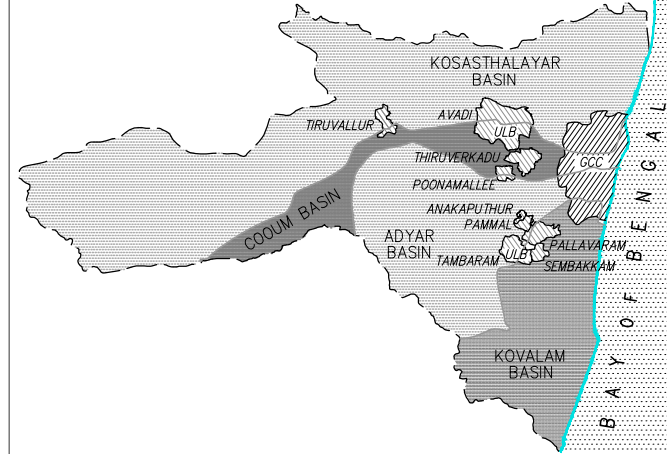
KEY PLAN



WARDS OF GCC AREA



INDEX OF GCC & ULB's AREA



SCALE 1 : 5,000

Roads: main; others; mud. Cart track.

Temple. Chhatri. Shrine. Mosque. Idgah. Tomb. Church.

Railways: broad gauge with station; bridge; metro.

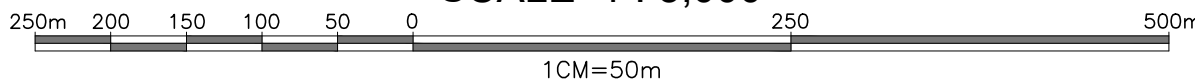
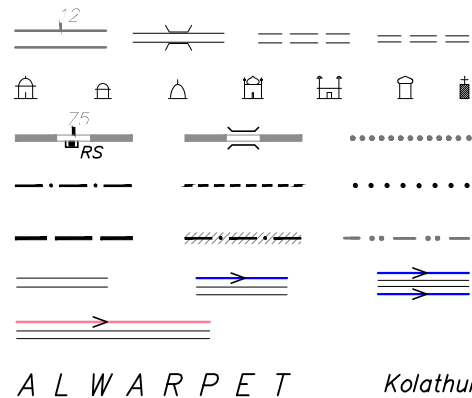
Boundary: state; district; taluk.

Boundary: CMA; zone; ward.

Roads: without drain; with oneside drain; with both side drain.

Road with reverse gradient drain.

Spaced names: locality; village.



PROJECTION:

The metric grid on this sheet is the UTM grid, Zone 44 N, WGS 84 Spheroid, M.S.L. Datum. All Dimensions are in Metres.

WARNING:

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SHEET HISTORY:

Base map compiled from the details/data provided by Greater Chennai Corporation (GCC) Surveyed between 29th January to 1st February 2021

Produced for the Project of Real Time Flood Forecasting and Spatial Decision Support System For Chennai by SECON-JBA under the World Bank funded Project Development Grant Fund (PDGF).

Drains: stormwater; feeder with flow direction. Invert level.

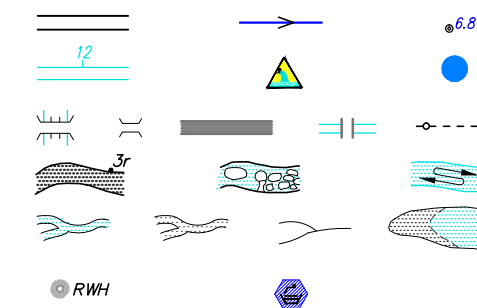
Canal. Outlet. Inundated area by previous flood.

Bridge with piers. Culvert. Flyover. Subway. Sewage line.

River: dry with water channel; with island & rocks. Tidal river.

Streams: perennial; non perennial; Single line: defined. Tank.

Rain water Harvesting. Stormwater pumping station.



CLIENT



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